



Dear Post-doc

Are you looking for an exciting experience at the Neutron Scattering Centre Heinz Maier-Leibnitz Zentrum in Garching, Germany? The GNeuS (Global Neutron Scientists) project is a great opportunity for you.

Research with neutrons, with its interdisciplinary approach, is indispensable for modern science. Taking into consideration tremendous changes in the European neutron landscape and assuming responsibility for sustainability, the neutron community is nowadays facing an important task to ensure long-term perspectives, that essentially depend on its ability to create a new generation of innovative highly-skilled researchers. To tackle this challenge, Forschungszentrum Julich (FZJ), Technical University Munich (TUM) and Helmholtz- Zentrum Hereon (Hereon), partners at the Heinz-Maier-Leibnitz Zentrum (MLZ), are running the Marie-Sklodowska Curie Acton (MSCA) COFUND project "Global Neutron Scientists" (GNeuS) that trains young neutron scientists through the establishment of a well-structured postdoctoral research program with a strong interdisciplinary and intersectoral approach and global outreach. Within GNeuS, postdoc grants are offered to solving the grand challenges facing mankind in areas such as environment, energy, key technologies and life science as well as improving the existing instrumentation and the ancillary equipments and developing new sources or optimizing the existing ones. During the five-year project lifetime and three calls, the three MLZ Partners offer a total of 45 fellowships each with a duration of 24 months.

The three GNeuS MLZ Partners are offering 15 GNeuS Postdoc Positions in Neutron Science of 24 months each within the GNeuS call N. 1, application submission deadline January 15<sup>th</sup>, 2022, at 18:00 CET.

The **1<sup>st</sup> GNeuS webinar** will take place online on  
December 16<sup>th</sup>, 2021, 9:00AM to 11:30 AM CEST

The webinar program gives an overview of the GNeuS opportunities and the GNeuS application submission.

09:30	Welcome Presentation of selected GNeuS topics	S.Förster
09:40	Soft and biological materials design for high-performance applications	S.Förster
09:50	Target-Moderator-Reflector optimization for High-current Accelerator-based Neutron Sources	P.Zakalek
10:00	Investigations of multispecies aerosol formation using small angle neutron scattering technique	A.Radulescu
10:10	Quench Safety and Quench Protection of Metal-Insulated Superconducting Coils for the Next Generation Sample Environment Magnets	S.Mühlbauer
10:20	Virtual Neutron Scattering Experiments	K.Lieutenant
10:30	Interdiffusion of polymers and water in colloids	H.Frielinghaus
10:40	GNeuS application package	F.Carsughi
10:50	Personal Career Development Plan	A.Bosten
11:00	GNeuS online application system	F.Carsughi
11:10	Question time	
11:30	End	

Every person with interest in the GNeuS opportunities is kindly invited to attend the webinar by using the following link <https://bluejeans.com/702216338/4509>

Detailed information is available on the GNeuS portal <https://GNeuS.eu>.

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